

# Converting Colors

Yxy(86.0662, 0.2694, 0.3249)

Have a look what the booklet for  
Yxy(86.0662, 0.2694, 0.3249)  
contains.

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# Color

**Yxy(85.9177, 0.2696, 0.3246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4FBFF
RGB	180, 251, 255
RGB Percent	71%, 98%, 100%
CMY	0.2943, 0.0156, 0.0001
CMYK	0.29, 0.02, 0.00, 0.00
HSL	183°, 100%, 85%
HSV	183°, 29%, 100%
XYZ	71.3599, 85.9177, 107.4104
YIQ	230.2270, -43.6000, -13.8080

# Conversions

## Conversions Part 2

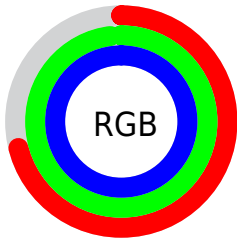
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 216, 255
Decimal	11860991
CIELab	94.28, -20.89, -8.96
CIELCh	94, 22.735, 203.214
Yxy	85.9177, 0.2696, 0.3246
Android (android.graphics.Color)	4290051071 (0xFFB4FBFF)
YUV	230.2270, 12.2131, -44.0491
Hunter-Lab	92.6918, -24.7903, -3.8204

# Details

The Yxy color **85.9177, 0.2696, 0.3246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.8008, 0.3775, 0.3333**, and the grayscale version is **79.2354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **46.9459, 0.2602, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **82.2992, 0.2572, 0.3229**, and if you desaturate by 10%, it is **90.1119, 0.2834, 0.3262**.

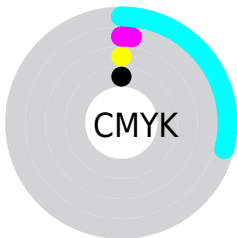
# Distribution



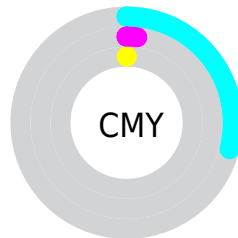
- Red (71%)
- Green (98%)
- Blue (100%)



- Red (71%)
- Yellow (85%)
- Blue (100%)



- Cyan (29%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9177, 0.2696, 0.3246 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 85.9177, 0.2696, 0.3246 by changing the saturation by 10% instead.



 85.9177, 0.2696,  
0.3246

 85.9177, 0.2696,  
0.3246

514.6598, 0.2887,  
0.3269

 64.5999, 0.2654,  
0.3240

 141.6546, 0.2761,  
0.3254

 47.1367, 0.2604,  
0.3233


176.8426, 0.2786,  
0.3258

 33.1438, 0.2541,  
0.3223


217.4227, 0.2809,  
0.3260

 22.2366, 0.2462,  
0.3209

263.7794, 0.2828,  
0.3263

 14.0309, 0.2358,  
0.3190

316.2971, 0.2845,  
0.3265

 8.1421, 0.2216,  
0.3161

375.3601, 0.2861,

 4.1860, 0.2013,

0.3266

0.3111

441.3529, 0.2875,  
0.3268

1.7782, 0.1699,  
0.3017

0.4735, 0.0000,  
0.2911

85.9177, 0.2696,  
0.3246

85.9177, 0.2696,  
0.3246

82.2992, 0.2572,  
0.3229

90.1119, 0.2834,  
0.3262

79.2152, 0.2463,  
0.3212

94.8999, 0.2981,  
0.3277

76.6352, 0.2373,  
0.3194

99.9986, 0.3127,  
0.3290

74.5214, 0.2302,  
0.3176

■ 72.8306, 0.2251,  
0.3157

■ 71.5115, 0.2218,  
0.3140

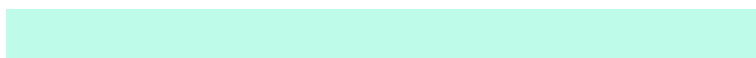
■ 70.4853, 0.2201,  
0.3122

■ 70.4293, 0.2200,  
0.3121

# Harmonies

## Analogous

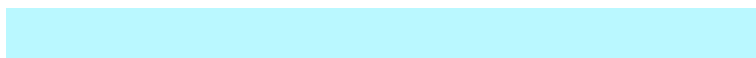
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9177, 0.2867, 0.3491



85.9177, 0.2696, 0.3246



85.9177, 0.2637, 0.3027

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9177, 0.2696, 0.3246



85.9177, 0.3126, 0.2938



85.9177, 0.3565, 0.3687

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85.9177, 0.2696, 0.3246



58.8008, 0.3775, 0.3333

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9177, 0.3643, 0.3522



85.9177, 0.2696, 0.3246



85.9177, 0.3384, 0.3098

# Square

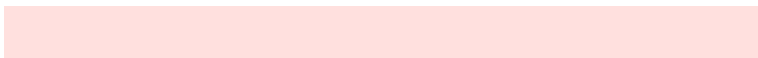
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9177, 0.2696, 0.3246



85.9177, 0.2877, 0.2862



85.9177, 0.3577, 0.3308



85.9177, 0.3368, 0.3752

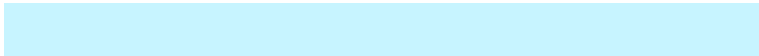


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9177, 0.2696, 0.3246



85.9177, 0.2666, 0.2925



85.9177, 0.3577, 0.3308



85.9177, 0.3606, 0.3641

# Sweetspot

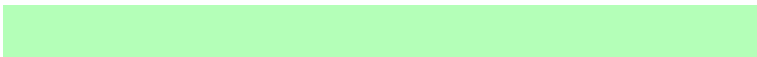
The Sweet Spot groups the original color and five complimentary colors.



85.9211, 0.2696, 0.3246



95.1330, 0.2988, 0.3278



84.6538, 0.3067, 0.4109



20.2042, 0.2966, 0.3276



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9211, 0.2696, 0.3246



83.8482, 0.2625, 0.3237



64.8696, 0.2650, 0.2825



20.3072, 0.2980, 0.3277



36.8795, 0.2201, 0.3124



3.6392, 0.2207, 0.3144



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



60.8501, 0.3191, 0.2591



55.3616, 0.3205, 0.2460



76.3799, 0.3665, 0.3713



18.2828, 0.3146, 0.3068



14.4510, 0.3346, 0.1617

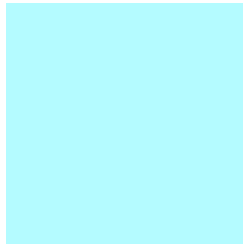


1.4119, 0.3329, 0.1608



# Previews

## White Background



This preview shows how the Yxy color 85.9177, 0.2696, 0.3246 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

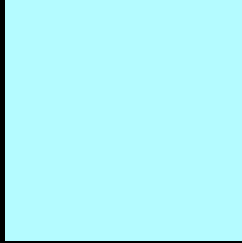
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.9177, 0.2696, 0.3246 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

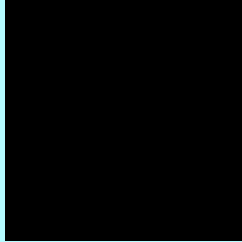
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

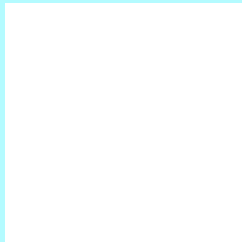
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.9177, 0.2696, 0.3246**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9177, 0.2696, 0.3246.

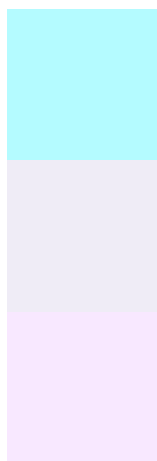


This preview shows how white text looks on a background with the Yxy color 85.9177, 0.2696, 0.3246.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

85.9177, 0.2696, 0.3246

### Protanopia

84.9954, 0.3086, 0.3190

### Deuteranopia

84.8897, 0.3091, 0.3065



## Tritanopia

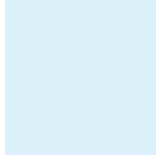
85.7703, 0.2860, 0.3175

# Trichromacy



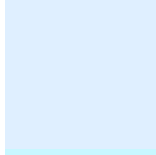
## Original Color

85.9177, 0.2696, 0.3246



## Protanomaly

84.6556, 0.2934, 0.3207



## Deuteranomaly

84.6410, 0.2931, 0.3126



## Tritanomaly

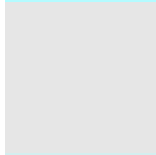
86.0209, 0.2799, 0.3205

# Monochromacy



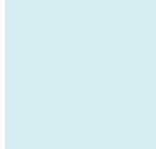
## Original Color

85.9177, 0.2696, 0.3246



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.3781, 0.2954, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9177, 0.2696, 0.3246 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(180, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 251, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(180, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 251, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9177, 0.2696, 0.3246 is called "border". The border property can be set on classes, ids or directly on the HTML element.

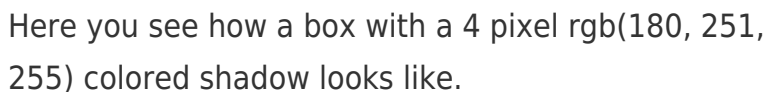
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 251, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(180, 251, 255) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(180, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 251,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9177, 0.2696, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 251, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(180,  
251, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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